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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/528,941 03/23/2005		Royce Lowis	GB 020162	6578
65913 NXP, B.V.	7590 07/09/200	7	EXAM	INER
NXP INTELL	ECTUAL PROPERTY	WOJCIECHOWICZ,	WOJCIECHOWICZ, EDWARD JOSEPH	
M/S41-SJ 1109 MCKAY	/ DRIVE	•	ART UNIT	PAPER NUMBER
SAN JOSE, CA 95131			2815	
			NOTIFICATION DATE	DELIVERY MODE
			07/09/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

		App	lication No.	Applicant(s)	Applicant(s)			
		10/5	528,941	LOWIS				
Office Action Summary			miner	Art Unit				
			ard Wojciechowicz	2815				
Period fo	The MAILING DATE of this communic or Reply	cation appears (on the cover sheet wi	th the correspondence a	ddress			
WHI(- Exte after - If NO - Failu Any	ORTENED STATUTORY PERIOD FO CHEVER IS LONGER, FROM THE MA- nsions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this commu- o period for reply is specified above, the maximum stature to reply within the set or extended period for reply we reply received by the Office later than three months afted patent term adjustment. See 37 CFR 1.704(b).	AILING DATE (of 37 CFR 1.136(a). In unication. utory period will apply vill, by statute, cause	OF THIS COMMUNION no event, however, may a not and will expire SIX (6) MON the application to become AB	CATION. eply be timely filed ITHS from the mailing date of this BANDONED (35 U.S.C. § 133).				
Status								
1)	Responsive to communication(s) filed	l on						
2a)□			n is non-final					
3)	,—							
٠,٠	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims		,,					
·		onlication						
٠/ڪا	Claim(s) <u>1-10</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.							
5)□	Claim(s) is/are allowed.							
	Claim(s) is/are allowed. Claim(s) <u>1-10</u> is/are rejected.							
	•							
	☐ Claim(s) is/are objected to. ☐ Claim(s) are subject to restriction and/or election requirement.							
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· <u> </u>	The specification is objected to by the							
10)[The drawing(s) filed on is/are:	•	•	•				
	Applicant may not request that any object			, ,				
445	Replacement drawing sheet(s) including t		•					
11)[_]	The oath or declaration is objected to	by the Examine	er. Note the attached	Office Action or form F	'TO-152.			
Priority (ınder 35 U.S.C. § 119							
=	Acknowledgment is made of a claim fo All b) Some * c) None of:			119(a)-(d) or (f).				
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority of			· ·	100			
	3. Copies of the certified copies o	•		received in this Nationa	ıı Stage			
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Attachmen	nt(s)							
1) 🛛 Notic	ce of References Cited (PTO-892)		4) Interview S	Summary (PTO-413)				
2) 🔲 Notic	e of Draftsperson's Patent Drawing Review (PT	O-948)	Paper No(s	s)/Mail Date				
	mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date		5) Notice of Ir 6) Other:	nformal Patent Application .				
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Art Unit: 2815

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The exact structure of the claimed invention is not clearly defined. In claim 1, the last paragraph is not clearly understood. It appears that the claim language requires that there by both some edge cells and some inner sense cells in each group of sense cells, whereby the ratio of edge to inner cells varies from one group to another. However, the precise distinction between these two types of cells is vague. Are all of the sense cells essentially identical in structure? Or are there any differences between these types of cells in addition to their relative location?

Looking at FIGS. 2 and 3, how is it structurally determined where one group of sense cells begins and ends? How are the different groups of sense cells separated from adjacent groups?

With respect to the dependent claims, the various drive, compensation and reference circuits recited are not clearly defined as to their structure of how their overall structure is integrated with the sense cells. For example, the recitation in claim 8, that an undefined drive circuit happens to have a FET whose drain is connected to a control terminal, fails to clearly define the structure and circuit configuration of the overall device.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-10 are further rejected, insofar as understood, under 35 U.S.C. 103(a) as being unpatentable over Yun et al (6,433,386). Insofar as the inventive structure is understood, the reference to Yun appears to teach the inventive structure with groups of sense cells that have different ratios of edge to inner cells. See, for example, the FIG. 6 embodiment of Yun where it appears that each different group of cells (SCA31), (SCA32) and (SCA33) would have different ratios of edge cells to inner cells, as claimed.

In addition, the Yun structure, which also makes use of MOS devices, would, of necessity, include the well known support layers, terminals and drive circuitry, as claimed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Wojciechowicz whose telephone number is 571-272-1739. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ken Parker can be reached on (571) 272-2298. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Edward Wojciechowicz Primary Examiner Art Unit 2815